

Client's ref.:A91262
File:0535-9532US/final

/Nick/Steve

What is claimed is:

- 1 1. An electronic device comprising:
2 a printed circuit board including a ground layer;
3 a liquid crystal display module, disposed on the
4 printed circuit board, including a central
5 portion, a surrounding portion, an anti-ESD
6 wire, and a first contact, wherein the central
7 portion is surrounded by the surrounding
8 portion, and the anti-ESD wire is disposed on
9 the surrounding portion, and wires of the
10 liquid crystal display module are schemed
11 between the anti-ESD wire and the central
12 portion, and the first contact is coupled to
13 the anti-ESD wire and the ground layer
14 respectively so that ESD in the liquid crystal
15 display module is ground via the anti-ESD wire
16 and the first contact; and
17 a controller, disposed on the printed circuit board
18 and coupled to the liquid crystal display
19 module, for resetting the liquid crystal
20 display module at a predetermined interval.
- 1 2. The electronic device as claimed in claim 1,
2 further including a first wire connecting the first
3 contact and the ground layer.
- 1 3. The electronic device as claimed in claim 1,
2 wherein the liquid crystal display module further
3 includes a plurality of second contacts, and the first
4 contact is located outside of the second contacts.

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1 4. The electronic device as claimed in claim 3,
2 further including a second wire connecting one of the
3 second contacts and the controller.

1 5. The electronic device as claimed in claim 1,
2 wherein the central portion of the liquid crystal display
3 module is the display region of the liquid crystal
4 display module.

1 6. The electronic device as claimed in claim 1,
2 wherein the surrounding portion of the liquid crystal
3 display module is a circuit layout region of the liquid
4 crystal display module.

1 7. The electronic device as claimed in claim 1,
2 wherein the anti-ESD wire is indium tin oxide.

1 8. The electronic device as claimed in claim 1,
2 wherein the width of the anti-ESD wire is 0.15mm-0.35mm.

1 9. A method for preventing ESD, comprising:
2 providing a liquid crystal display module including
3 a central portion, a surrounding portion, and
4 an anti-ESD wire, wherein the central portion
5 is surrounded by the surrounding portion, the
6 anti-ESD wire is disposed on the surrounding
7 portion, and wires of the liquid crystal
8 display module are located between the anti-ESD
9 wire and the central portion; and
10 resetting the liquid crystal display module at a
11 predetermined interval.

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1 10. The method as claimed in claim 9, further
2 comprising:

3 making a level of the liquid crystal display module
4 back to a predetermined value so as to reset
5 the liquid crystal display module.

1 11. The method as claimed in claim 9, wherein the
2 anti-ESD wire is indium tin oxide.

1 12. The method as claimed in claim 9, wherein the
2 width of the anti-ESD wire is 0.15mm-0.35mm.

1 13. A machine-readable storage medium storing a
2 computer program which, when executed, causes a computer
3 to perform a method for preventing ESD is provided,
4 wherein the method comprises:

5 providing a liquid crystal display module including
6 a central portion, a surrounding portion, and
7 an anti-ESD wire, wherein the central portion
8 is surrounded by the surrounding portion, the
9 anti-ESD wire is disposed on the surrounding
10 portion, and wires of the liquid crystal
11 display module are located between the anti-ESD
12 wire and the central portion; and

13 resetting the liquid crystal display module at a
14 predetermined interval.

1 14. The storage medium as claimed in claim 13,
2 further comprising:

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3 returning a level of the liquid crystal display
4 module to a predetermined value so as to reset
5 the liquid crystal display module.

1 15. The storage medium as claimed in claim 13,
2 wherein the anti-ESD wire is made of indium tin oxide.

1 16. The storage medium as claimed in claim 13,
2 wherein the width of the anti-ESD wire is 0.15mm-0.35mm.